

724



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FULL-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

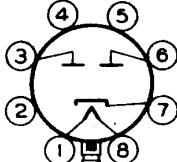
Heater, for Unipotential Cathode:

Voltage. 6.3⁰ ac or dc volts
Current. 0.9⁰⁰ amp

Mechanical:

Mounting Position. Any
Maximum Overall Length. 3-5/32"
Maximum Seated Length. 2-5/8"
Maximum Diameter. 1-3/16"
Bulb. T-9
Base. Lock-in 8-Pin
Basing Designation for BOTTOM VIEW. 5AB

Pin 1 - Heater
Pin 2 - No Connection
Pin 3 - Plate No. 2
Pin 4 - No Connection



Pin 5 - No Connection
Pin 6 - Plate No. 1
Pin 7 - Cathode
Pin 8 - Heater
Plug - Base Shell

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE. 1250 max. volts
PEAK PLATE CURRENT PER PLATE. 300 max. ma
DC OUTPUT CURRENT. 100 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 450 max. volts
Heater positive with respect to cathode. 450 max. volts

Typical Operation:

Capacitor- Input	Choke- Input
to Filter	to Filter

AC Plate-to-Plate Supply Voltage (RMS) . . .	650	900 . . . volts
Min. Total Effective Plate- Supply Impedance per Plate*	75	- . . . ohms
Min. Filter-Input Choke. . . .	-	6 . . . henries
DC Output Current.	100	100 . . . ma
DC Output Voltage at Input to Filter (Approx.):		
At half-load (50 ma.) . . .	400	365 . . . volts
At full-load (100 ma.) . . .	365	350 . . . volts
Voltage Regulation (Approx.): Half-load to full load current	35	15 . . . volts

* When a filter-input capacitor larger than 40 μ f is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.

Nominal voltage = 7.0 volts.

Nominal current = 0.96 ampere.

DEC. 30, 1947

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA